# Author index


Ainaga, M.J., see Portolés, M.T. (1092) 1
Alberghina, L., see Morello, L. (1092) 397
Aleporou-Marinou, V., see Sourlingas, T.G. (1092) 298
Alexandre, A., see Zoccarato, F. (1092) 72
Aller, P., see Cabañas, C. (1092) 165
Amanuma, K. and Mitsui, Y.
Hyaluronic acid synthesis is absent in normal human endothelial cells irrespective of hyaluronic acid synthetase inhibitor activity, but is significantly high in transformed cells (1092) 336
Ambudkar, I.S., see Hiramatsu, Y. (1092) 391
Ämmälä, C., Bokvist, K., Galt, S. and Rorsman, P.
Inhibition of ATP-regulated $K^+$-channels by a photoactivatable ATP-analogue in mouse pancreatic $\beta$-cells (1092) 347
Ansari, G.A.S., see Peterson, J.W. (1092) 79
Antoni, F., see Kalapos, M.P. (1092) 284
Anzai, M., see Harada, H. (1092) 404
Arita, H., see Kishino, J. (1092) 169
Aronson, J.K., see Jenkins, R.J. (1092) 138
Avron, M., see Bental, M. (1092) 21
Azuma, Y., see Matsumoto, K. (1092) 311

Babij, P., see Hundal, H.S. (1092) 376
Baby, T.G. and Hayashi, S.-i.
Presence of ornithine decarboxylase antizyme in primary cultured hepatocytes of the frog *Xenopus laevis* (1092) 161
Bahrami, L.H., see Perkins, P.S. (1092) 145
Banks, P., see Monk, P.N. (1092) 251
Bannai, S., Sato, H., Ishii, T. and Taketani, S.
Enhancement of glutathione levels in mouse peritoneal macrophages by sodium arsenite, cadmium chloride and glucose/glucose oxidase (1092) 175
Bannister, J.V., see Sáez, G.T. (1092) 325
Bannister, W.H., see Sáez, G.T. (1092) 325
Barker, K.L., see Whelly, S.M. (1092) 218
Barker, K.L., see Young, A.J. (1092) 211
Baum, B.J., see Hiramatsu, Y. (1092) 391
Baum, B.J., see Royce, L.S. (1092) 401
Baum, C.L., see Wali, R.K. (1092) 119
Bednar, D.L., Stein, R.B., Garsky, V.M. and Williams Jr., D.L.
The bovine endothelin receptor has an apparent molecular weight of 43000 (1092) 226
Bellón, T., see Cabañas, C. (1092) 165
Bental, M., Pick, U., Avron, M. and Degani, H.
Polyphosphate metabolism in the alga *Dunaliella salina* studied by $^{31}$P-NMR (1092) 21
Berenson, G.S., see Vijayagopal, P. (1092) 291
Bernabeu, C., see Cabañas, C. (1092) 165
Berry, M.N., see Henly, D.C. (1092) 277
Bertollini, L., see Peres, A. (1092) 89
Björkhem, I., see Chow, S.C. (1092) 358
Blachier, F., Darcy-Vrillon, B., Sener, A., Duée, P.-H. and Malaisse, W.J.
Arginine metabolism in rat enterocytes (1092) 304
Bokvist, K., see Ämmälä, C. (1092) 347
Bolt, M.J.G., see Wali, R.K. (1092) 119
Borghgraef, R., see Van Den Bosch, L. (1092) 244
Brambilla, R., see Morello, L. (1092) 397
Brasitus, T.A., see Wali, R.K. (1092) 119
Brearley, C.J., see Jenkins, R.J. (1092) 138
Burchell, A. and Waddell, I.D.
The molecular basis of the hepatic microsomal glucose-6-phosphatase system (1092) 129
Bustelo, X.R., see Otero, A. (1092) 184

Cabañas, C., Lastres, P., Bellón, T., Aller, P., Figdor, C.G., Corbi, A. and Bernabeu, C.
Induction of LFA-1-mediated homotypic adhesions in promonocytic U-937 cells occurs independently of cell differentiation (1092) 165
Cabedo, H., see Sáez, G.T. (1092) 325
Carozzi, A., see Meldrum, E. (1092) 49
Cattaneo, M.G., see Morello, L. (1092) 397
Cavallini, L., see Zoccarato, F. (1092) 72
Chang, D.C., Gao, P.-Q. and Maxwell, B.L.
High efficiency gene transfection by electroporation using a radio-frequency electric field (1092) 153
Chang, K. and Roberts, J.K.M.
Cytoplasmic malate levels in maize root tips during $K^+$ ion uptake determined by $^{13}$C-NMR spectroscopy (1092) 29
Chow, S.C., Sisfontes, L., Jondal, M. and Björkhem, I.
Modification of membrane phospholipid fatty acyl composition in a leukemic T cell line: effects on receptor mediated intracellular $Ca^{2+}$ increase (1092) 358
Cook, S.J. and Wakelam, M.J.O.
Hydrolysis of phosphatidylcholine by phospholipase D is a common response to mitogens which stimulate inositol lipid hydrolysis in Swiss 3T3 fibroblasts (1092) 265
Corbi, A., see Cabañas, C. (1092) 165

Darcy-Vrillon, B., see Blachier, F. (1092) 304
Deana, R., see Zoccarato, F. (1092) 72
Degani, H., see Bental, M. (1092) 21
De Smedt, H., see Van Den Bosch, L. (1092) 244
Doni, M.G., see Zoccarato, F. (1092) 72
Dowd, T.L. and Gupta, R.K.
$^{19}$F-NMR study of the effect of lead on intracellular free calcium in human platelets (1092) 341
Dudeja, P.K., see Wali, R.K. (1092) 119
Duée, P.-H., see Blachier, F. (1092) 304

Ehrlich, Y.H., see Naik, U.P. (1092) 256

Fan, T.W.-M., Higashi, R.M. and Macdonald, J.M.
Emergence and recovery response of phosphate metabolites and intracellular pH in intact *Mytilus edulis* as examined in situ by in vivo $^{31}$P-NMR (1092) 39
Figdor, C.G., see Cabañas, C. (1092) 165
Francesconi, M.A., see Zoccarato, F. (1092) 72
Fukuda, K., see Yamada, J. (1092) 233

Galt, S., see Ämmälä, C. (1092) 347
Gao, P.-Q., see Chang, D.C. (1092) 153
Garsky, V.M., see Bednar, D.L. (1092) 226
Garzó, T., see Kalapos, M.P. (1092) 284

Gérard, M., see Hermans, M.P. (1092) 205
Gómez-Márquez, J., see Otero, A. (1092) 184
Goodier, M.R. and Kay, J.E.
Post-transcriptional regulation of cytoskeletal actin and T lymphocyte receptor $\beta$ chain mRNA by phorbol ester (1092) 124
Gupta, R.K., see Dowd, T.L. (1092) 341

Hagino, Y., see Nomura, T. (1092) 94
Hanasaki, K., see Kishino, J. (1092) 169
Harada, H., Kanai, Y., Anzai, M. and Suketa, Y.
cAMP activates $Cl^-/HCO_3^-$ exchange for regulation of intracellular pH in renal epithelial cells (1092) 404
Hashimoto, K., see Matsumoto, K. (1092) 311
Hayashi, S.-i., see Baby, T.G. (1092) 161
Henly, D.C. and Berry, M.N.
Relationship between the stimulation of citric acid cycle oxidation and the stimulation of fatty acid esterification and inhibition of ketogenesis by lactate in isolated rat hepatocytes (1092) 277
Henquin, J.-C., see Hermans, M.P. (1092) 205
Hermans, M.P., Schmeer, W., Gérard, M. and Henquin, J.-C.
Effects of chloride deficiency on the pancreatic B-cell response to acetylcholine (1092) 205
Higashi, R.M., see Fan, T.W.-M. (1092) 39
Hiramatsu, Y., Ambudkar, I.S. and Baum, B.J.
Characterization of high affinity GTPase activity correlated to $\beta$-adrenergic receptor stimulation of adenylyl cyclase in rat parotid membranes (1092) 391
Hosoya, T., see Suzuki, N. (1092) 367
Hundal, H.S., Babij, P., Taylor, P.M., Watt, P.W. and Rennie, M.J.
Effects of corticosteroid on the transport and metabolism of glutamine in rat skeletal muscle (1092) 376

Ikeda, T., see Yamada, J. (1092) 233
Iradi, A., see Sáez, G.T. (1092) 325
Ishii, T., see Bannai, S. (1092) 175

Jackson, C.A., see Peterson, J.W. (1092) 79
Jenkins, R.J., Aronson, J.K. and Brearley, C.J.
Increases in Na/K pump numbers in isolated human lymphocytes exposed to lithium in vitro. Reversal by *myo*-inositol and by inhibitors of protein kinase C and the Na/H antiport (1092) 138
Jondal, M., see Chow, S.C. (1092) 358

Kalapos, M.P., Garzó, T., Antoni, F. and Mandl, J.
Effect of methylglyoxal on glucose formation, drug oxidation and glutathione content in isolated murine hepatocytes (1092) 284
Kanai, Y., see Harada, H. (1092) 404
Kato, T., see Kishino, J. (1092) 169
Kay, J.E., see Goodier, M.R. (1092) 124
Kellom, T.A. and O'Conner, J.L.
Effect of luteinizing hormone releasing hormone pulse characteristics on comparative luteinizing hormone and follicle stimulating hormone secretion from superfused rat anterior pituitary cell cultures (1092) 101
Kirkland, J.B.
Lipid peroxidation, protein thiol oxidation and DNA damage in hydrogen peroxide-induced injury to endothelial cells: role of activation of poly(ADP-ribose)polymerase (1092) 319
Kishino, J., Hanasaki, K., Kato, T. and Arita, H.
Synergistic effect of thromboxane $A_2$ and *N*-formylmethionyl-leucylphenylalanine on platelet-activating factor synthesis in human polymorphonuclear neutrophils (1092) 169
Kiyoki, M., see Matsumoto, K. (1092) 311
Knight, S.A.B., Kohr, W. and Korc, M.
Manganese-stimulated phosphorylation of a rat pancreatic protein: identity with elongation factor 2 (1092) 196
Kobayashi, M., see Suzuki, N. (1092) 367
Kohr, W., see Knight, S.A.B. (1092) 196
Korc, M., see Knight, S.A.B. (1092) 196
Kornecki, E., see Naik, U.P. (1092) 256
Kubota, K., see Oyama, M. (1092) 85

Lastres, P., see Cabañas, C. (1092) 165
Lenhard, L.W., see Perkins, P.S. (1092) 145

Macdonald, J.M., see Fan, T.W.-M. (1092) 39
Malaisse, W.J., see Blachier, F. (1092) 304
Mandl, J., see Kalapos, M.P. (1092) 284
Mas, A. and Sarkar, B.
Binding, uptake and efflux of $^{65}Zn$ by isolated human trophoblast cells (1092) 35
Matsumoto, K., Azuma, Y., Kiyoki, M., Okumura, H., Hashimoto, K. and Yoshikawa, K.
Involvement of endogenously produced 1,25-dihydroxyvitamin D-3 in the growth and differentiation of human keratinocytes (1092) 311
Maxwell, B.L., see Chang, D.C. (1092) 153
Meldrum, E., Parker, P.J. and Carozzi, A. (1092) 49
Mitsui, Y., see Amanuma, K. (1092) 336
Monk, P.N. and Banks, P.
The role of protein kinase C activation and inositol phosphate production in the regulation of cell-surface expression of Mac-1 by complement fragment C5a (1092) 251
Morello, L., Sturani, E., Cattaneo, M.G., Brambilla, R., Vicario, A., Alberghina, L. and Zippel, R.
Bombesin stimulates a high affinity GTPase activity in membranes of Swiss 3T3 fibroblasts (1092) 397
Moudgil, V.K., see Zakula, Z. (1092) 188
Municio, A.M., see Portolés, M.T. (1092) 1
Murphy, J.J., Yaxley, J.C. and Norton, J.D.
Evidence for protein kinase C – independent pathways mediating phorbol ester induced plasmacytoid differentiation of B chronic lymphocytic leukemia cells (1092) 110

Naik, U.P., Kornecki, E. and Ehrlich, Y.H.
Phosphorylation and dephosphorylation of human platelet surface proteins by an ecto-protein kinase/phosphatase system (1092) 256
Nakagami, H., see Takagi, K. (1092) 15
Nakano, T., see Takagi, K. (1092) 15
Nomura, H., see Nomura, T. (1092) 94
Nomura, T., Nomura, Y., Tachibana, M., Nomura, H., Ukai, K., Yokoyama, R. and Hagino, Y.
$\alpha_1$-Adrenergic regulation of ketogenesis in isolated rat hepatocytes (1092) 94
Nomura, Y., see Nomura, T. (1092) 94
Norton, J.D., see Murphy, J.J. (1092) 110

O'Conner, J.L., see Kellom, T.A. (1092) 101
Okumura, H., see Matsumoto, K. (1092) 311
Otero, A., Bustelo, X.R. and Gómez-Márquez, J.
Cytochrome *c* oxidase subunit II mRNA levels during T-lymphocyte proliferation and liver regeneration (1092) 184
Oyama, M. and Kubota, K.
Inhibition by EDTA and enhancement by divalent cations or polyamines of the dithiothreitol-induced activation of adenylate cyclase in the cellular slime mold, *Dictyostelium discoideum* (1092) 85

Pagani, R., see Portolés, M.T. (1092) 1
Pandol, S.J., see Perkins, P.S. (1092) 145
Parker, P.J., see Meldrum, E. (1092) 49
Pataryas, T.A., see Sourlingas, T.G. (1092) 298

Peres, A., Racca, C., Bertollini, L. and Sturani, E.
Cytosolic calcium responses induced by photolytic release of 1,4,5-inositol trisphosphate in single human fibroblasts (1092) 89
Perkins, P.S., Bahrami, L.H., Lenhard, L.W. and Pandol, S.J.
Intracellular mechanisms involved in short-term regulation of net protein synthesis in pancreatic acini (1092) 145
Peterson, J.W., Reitmeyer, J.C., Jackson, C.A. and Ansari, G.A.S.
Protein synthesis is required for cholera toxin-induced stimulation of arachidonic acid metabolism (1092) 79
Pick, U., see Bental, M. (1092) 21
Portolés, M.T., Ainaga, M.J., Municio, A.M. and Pagani, R.
Intracellular calcium and pH alterations induced by *Escherichia coli* endotoxin in rat hepatocytes (1092) 1

Racca, C., see Peres, A. (1092) 89
Radhakrishnamurthy, B., see Vijayagopal, P. (1092) 291
Rasmussen, K.R., see Whelly, S.M. (1092) 218
Reitmeyer, J.C., see Peterson, J.W. (1092) 79
Rennie, M.J., see Hundal, H.S. (1092) 376
Roberts, J.K.M., see Chang, K. (1092) 29
Rorsman, P., see Ämmälä, C. (1092) 347
Royce, L.S. and Baum, B.J.
Physiologic levels of salivary epidermal growth factor stimulate migration of an oral epithelial cell line (1092) 401
Ruzzene, M., see Zoccarato, F. (1092) 72

Sáez, G.T., Valls, V., Cabedo, H., Iradi, A., Bannister, W.H. and Bannister, J.V.
Effect of metal ion catalyzed oxidation of rifamycin SV on cell viability and metabolic performance of isolated rat hepatocytes (1092) 325
Sakata, K., see Suzuki, N. (1092) 367
Sakuma, M., see Yamada, J. (1092) 233
Sarkar, B., see Mas, A. (1092) 35
Sato, H., see Bannai, S. (1092) 175
Schmeer, W., see Hermans, M.P. (1092) 205
Sekeri-Pataryas, K.E., see Sourlingas, T.G. (1092) 298
Sener, A., see Blachier, F. (1092) 304
Sisfontes, L., see Chow, S.C. (1092) 358
Sit, K.H. and Wong, K.P.
Sulphate induces very fast cell rounding and detachment (1092) 180
Sitrin, M.D., see Wali, R.K. (1092) 119
Skudlarek, J., see Whelly, S.M. (1092) 218
Sourlingas, T.G., Aleporou-Marinou, V., Pataryas, T.A. and Sekeri-Pataryas, K.E.
Influence of chlorambucil, a bifunctional alkylating agent, on the histone variant biosynthesis of HEp-2 cells (1092) 298
Srinivasan, S.R., see Vijayagopal, P. (1092) 291
Stein, R.B., see Bednar, D.L. (1092) 226
Stow, M.W. and Warr, J.R.
Amplification and expression of *mdr* genes and flanking sequences in verapamil hypersensitive hamster cell lines (1092) 7
Sturani, E., see Morello, L. (1092) 397
Sturani, E., see Peres, A. (1092) 89
Sturgill, T.W. and Wu, J.
Recent progress in characterization of protein kinase cascades for phosphorylation of ribosomal protein S6 (1092) 350
Suga, T., see Yamada, J. (1092) 233
Suketa, Y., see Harada, H. (1092) 404
Suketa, Y., see Takagi, K. (1092) 15
Suzuki, N., Kobayashi, M., Sakata, K., Suzuki, T. and Hosoya, T.
Synergistic stimulatory effect of glucocorticoid, EGF and insulin on the synthesis of ribosomal RNA and phosphorylation of nucleolin in primary cultured rat hepatocytes (1092) 367
Suzuki, T., see Suzuki, N. (1092) 367

Tachibana, M., see Nomura, T. (1092) 94
Takagi, K., Nakagami, H., Nakano, T. and Suketa, Y.
Induction of nitrite production in mouse spleen cells by immunization (1092) 15
Taketani, S., see Bannai, S. (1092) 175
Taylor, P.M., see Hundal, H.S. (1092) 376

Ukai, K., see Nomura, T. (1092) 94

Valls, V., see Sáez, G.T. (1092) 325
Van Den Bosch, L., De Smedt, H. and Borghgraef, R.
Influence of PMA and a low extracellular $Ca^{2+}$ concentration on the development of the $Na^{+}$-dependent hexose carrier in LLC-$PK_1$ cells (1092) 244
Vicario, A., see Morello, L. (1092) 397
Vijayagopal, P., Srinivasan, S.R., Radhakrishnamurthy, B. and Berenson, G.S.
Studies on the mechanism of uptake of low density lipoprotein-proteoglycan complex in macrophages (1092) 291

Waddell, I.D., see Burchell, A. (1092) 129
Wagner, P.D., see Wu, Y.N. (1092) 384
Wakelam, M.J.O., see Cook, S.J. (1092) 265
Wali, R.K., Baum, C.L., Bolt, M.J.G., Dudeja, P.K., Sitrin, M.D. and Brasitus, T.A.
Down-regulation of protein kinase C activity in 1,2-dimethylhydrazine-induced rat colonic tumors (1092) 119
Warr, J.R., see Stow, M.W. (1092) 7
Watt, P.W., see Hundal, H.S. (1092) 376
Whelly, S.M., Rasmussen, K.R., Skudlarek, J. and Barker, K.L.
Isolation and characterization of an estrogen-regulated ribosome-associated inactivator of tRNA aminoacylation in the uterus (1092) 218
Williams Jr., D.L., see Bednar, D.L. (1092) 226
Wong, K.P., see Sit, K.H. (1092) 180
Wu, J., see Sturgill, T.W. (1092) 350
Wu, Y.N. and Wagner, P.D.
Effects of phosphatase inhibitors and a protein phosphatase on norepinephrine secretion by permeabilized bovine chromaffin cells (1092) 384

Yamada, J., Sakuma, M., Ikeda, T., Fukuda, K. and Suga, T.
Characteristics of dehydroepiandrosterone as a peroxisome proliferator (1092) 233
Yaxley, J.C., see Murphy, J.J. (1092) 110
Yokoyama, R., see Nomura, T. (1092) 94
Yoshikawa, K., see Matsumoto, K. (1092) 311
Young, A.J. and Barker, K.L.
Effect of estradiol and progesterone on long chain fatty acyl-coenzyme A levels in the rat uterus (1092) 211

Zakula, Z. and Moudgil, V.K.
Interaction of rat liver glucocorticoid receptor with a newly synthesized antisteroid ZK98299 (1092) 188
Zippel, R., see Morello, L. (1092) 397
Zoccarato, F., Ruzzene, M., Cavallini, L., Doni, M.G., Francesconi, M.A., Deana, R. and Alexandre, A.
Platelet responses promoted by the activation of protein kinase C or the increase of cytosolic $Ca^{2+}$ are potentiated by adrenaline. Effects of cAMP and staurosporine (1092) 72